

THE MECCANO RANGE

1st July, 1971

U.K. Recommended
Retail Prices

BASIC SETS

SET NO. 1.—	£ p
100 parts for model builders age 7 and over	1-25
SET NO. 2.—	
150 parts for model builders age 7 and over	2-05
SET NO. 3.—	
200 parts for model builders age 7 and over	2-90
SET NO. 4.—	
275 parts for model builders age 8 and over	3-85
SET NO. 5.—	
395 parts for model builders age 9 and over	5-95
SET NO. 6.—	
550 parts for model builders age 10 and over	7-85
SET NO. 7.—	
700 parts for model builders age 10 and over	9-75
SET NO. 8.—	
1000 parts for model builders age 10 and over	11-95
SET NO. 9.—	
De Luxe Set in oak-finished cabinet	25-50
SET NO. 10.—	
Grand De Luxe Set in oak-finished cabinet	100-00

CONVERSION SETS

1X converts No. 1 to No. 2	0-89
2X converts No. 2 to No. 3	0-95
3X converts No. 3 to No. 4	1-25
4X converts No. 4 to No. 5	2-25
5X converts No. 5 to No. 6	2-45
6X converts No. 6 to No. 7	2-25
7X converts No. 7 to No. 8	3-15
8X converts No. 8 to No. 9	8-75

SPECIAL SETS

3M Motorised Set	4-35
4M Motorised Set	6-55
4EL Electrical Set	10-95
5ME Electronic and Motorised Set	14-50
Electronic Control Set	4-75
Gears Set	2-15
Mechanisms Set	3-75
Super Tool Set (tax free)	1-10
Caterpillar Track Pack	1-49

MOTORS etc.

Magic Clockwork Motor including key	0-99
No. 1 Clockwork Motor, with reversing switch and key	2-49
Reversible 4½ volt DC Motor	1-55
3-12 volt DC Motor with 6-ratio Gearbox	3-75
*E15R Electric Motor with reversing switch	5-45
6-ratio Gearbox with Universal Coupling	2-45
Hand Generator	1-65
Steam Engine	4-65

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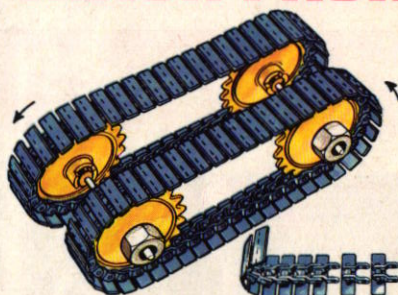
MOTORS etc. continued

Battery Control Box	£ p
43903 S Key for Magic Motor	1-39
43901 B Key for No. 1 Clockwork Motor	0-04
*Fitted with TV and radio interference suppressors	0-10

NEW PARTS

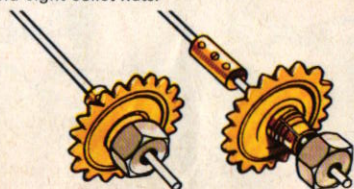
No. 6. 2" Strip	0-03
No. 27f. Multi-Purpose Gear Wheel	0-12
No. 131. Cam	0-14
No. 167a. Large-Toothed Quadrant	0-48
No. 167c. Large-Toothed Quadrant Pinion	0-52

*New fantastic TRACK PACK



Now for the first time ever, you can build a working caterpillar track to any length you require for your Meccano models.

Pack consists of 125 individual track pieces to make up to 1190 mm. (46½") of track, four 20-tooth and four 10-tooth sprocket wheels and eight collet nuts.



Meccano axle and coupling not included in Track Pack.

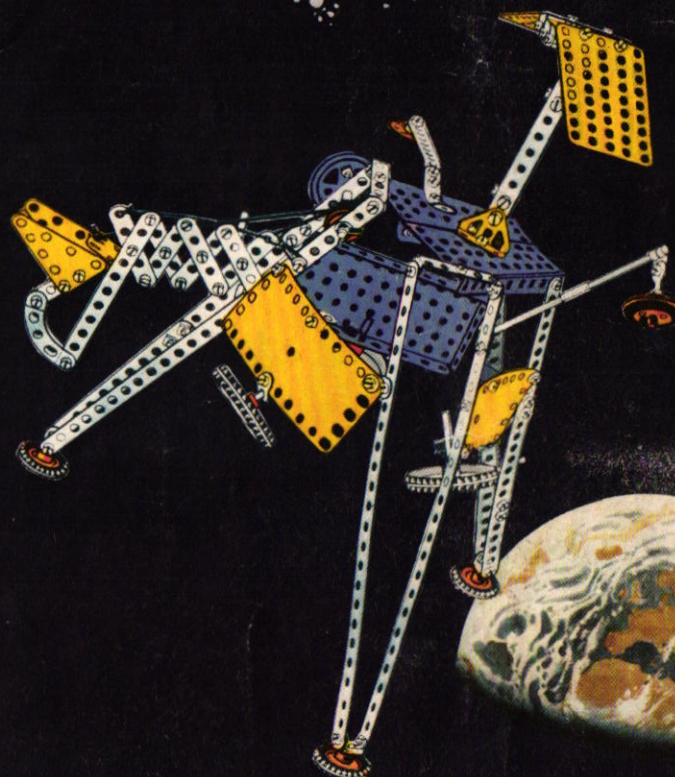
MECCANO

The world's most comprehensive
constructional toy

Printed in England

MECCANO

FOR THE SPACE-AGE



Meccano goes electronic!

NEW 5ME MOTORISED ELECTRONIC SET!

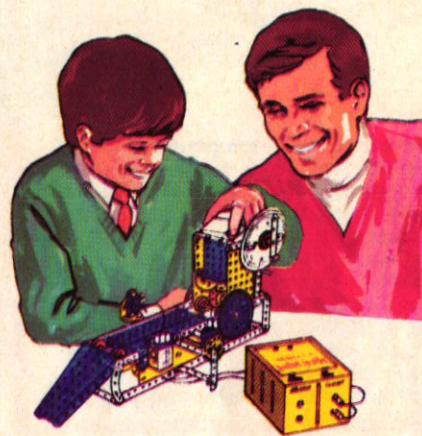
A GREAT SET-GIVES ALL THE FUN OF MODEL BUILDING PLUS MOTORISED POWER AND AUTOMATIC CONTROL!

This is a new kind of Meccano Set. It has all the normal Meccano structural parts with plans to make 66 models, plus a powerful electric motor and exciting electronic parts.

The motor - is a 3-12 volt DC unit with 6-ratio gearbox. Sturdy, light: performance unaffected by external magnetic fields. Long life copper-graphite brushes.

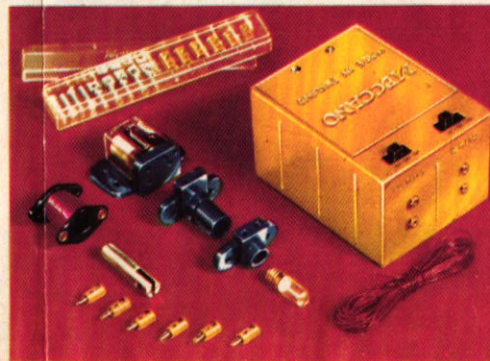
The set contains a photo-electric cell and automatic control battery box together with many other electronic parts that put your models in a scientific class all of their own.

(Batteries not included)



With this set you can make lots of motorised **and** electronic models like the electronic conveyor with built in counting device as shown.

NEW ELECTRONIC ACCESSORY SET ADDS AUTOMATIC CONTROL TO EXISTING MECCANO SETS



Add this exciting electronic accessory set to your existing sets and control your motorised models automatically. With a photo-electric cell you can add a new 'computer-age' look and action to your model-making.

FABULOUS NEW STANDARD SETS!

For 70 years Meccano has been making the finest construction sets in the world using precision engineering parts that are so tough they can take even the most enthusiastic handling. There is now a complete new range of 10 basic sets, from simple sets for beginners to Nos. 9 and 10 in superb wooden cabinets for the real engineering enthusiast. Meccano believe that constructive play helps build constructive people. Meccano turns a boy's world into a man's world.

NEW—EXCITING PACKS

The attractive, new packs are strongly made to store parts when not in use, and are illustrated with some of the models that can be constructed. Give him a Meccano Set, and his model-building ideas start right on the front of the pack.

NEW—REALISTIC COLOURED PARTS

The precision engineered metal parts are handsomely finished in tough, enamelled colours or durable plating, making building even easier and more realistic. Simply relate the colours to the instruction book and watch your colourful model take shape.

NEW—POLYSTYRENE WORK TRAYS

The new polystyrene trays show at-a-glance what the set contains. Sets Nos. 5-8 are packed in 2-tier boxes, which provide a handy, practical way to store your Meccano.

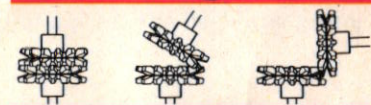
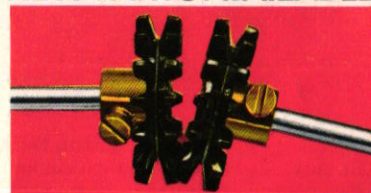
Set Nos. 9 and 10 are packed in superb oak-finished cabinets for easy storage.

NEW—EVEN MORE EXCITING MODELS TO MAKE

The vehicle shown on the front of this leaflet is just one of the exciting space age models you can make with Meccano. All models illustrated in the instruction books are new or have been modernised.



NEW PARTS AVAILABLE

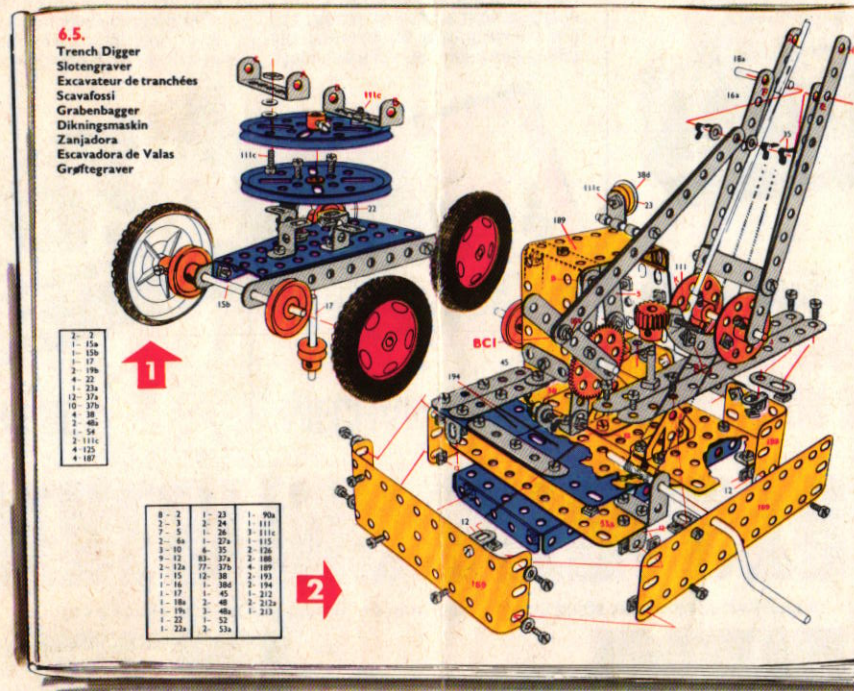


One of the most revolutionary additions to the system which has been developed is the new multi-purpose gear wheel, designed to make your models even more versatile. These can be used to transmit a drive at any angle and as 1" pulleys, clutch assemblies and as a wheel with a standard 1" tyre. Other new spare parts in the system include a five hole 2" strip, a cam, large-toothed quadrant and matching pinion.

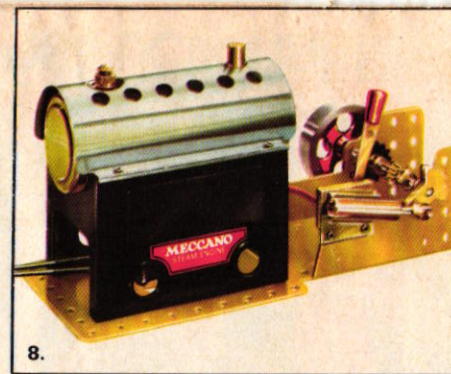
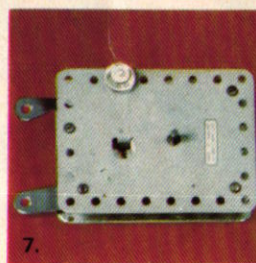
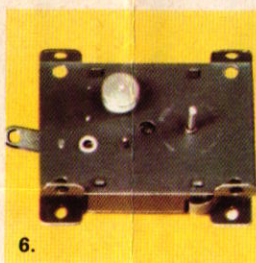
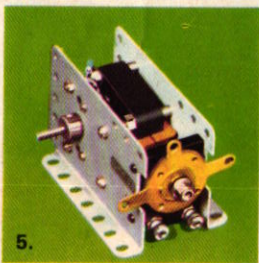
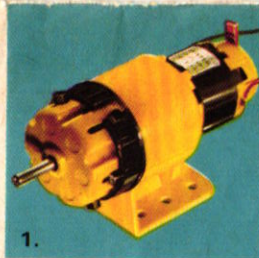
NEW EASY-TO-FOLLOW WORKING DRAWINGS IN COLOUR!

PAGE AFTER PAGE OF MODELS TO MAKE

Every Meccano Set includes an instruction book to help you make the most of your set. These illustrated books include easy-to-follow instructions and working drawings in *colour*, that even the beginner can understand. They show how to build cranes, trucks, go-karts, roundabouts, helicopters, jeeps, windmills, racing cars, bulldozers and a whole range of working models. These manuals have been completely re-designed and have been based on the advice and experience of thousands of model-makers throughout the world.



- ELECTRIC**
- 1. 3-12 volt DC motor with 6-ratio gearbox.** A super-efficient, precision made reversible motor with low current consumption. The motor works from a 3 to 12 volt DC power source as supplied by suitable battery or series of batteries.
 - 2. 6-ratio gearbox with universal coupling.** Transmission ratios—3:1, 6:1, 12:1, 16:1, 32:1, 60:1. Simple to operate and absolutely foolproof. Gear ratio may be changed while motor is running.
 - 3. Hand operated generator.** Simple, safe manually operated generator. Turn the handle to produce up to 12 volts DC.
 - 4. Reversible 4½ volt DC motor.** This motor will run from 4½ volt battery; it has a stop, forward and reverse lever. (Illustrated with Motorised Sets)
 - 5. E15R electric motor.** 12/15 volt motor with built-in reversing switch. Will operate through a suitable transformer, or will give adequate power when run from a 12 volt battery or series of batteries.
- CLOCKWORK**
- 6. Magic motor.** Non-reversible. Specially intended for driving many of the smaller Meccano models.
 - 7. No. 1. Clockwork motor.** Suitable for driving many of the larger models. Fitted with reversing mechanism.



STEAM

8. Powerful, clean, safe and simple to operate. Works on methylated spirits and water. Fitted with a drive reversing lever.

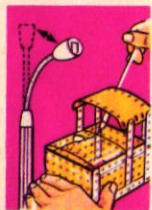
The 4½ volt and 3-12 volt Motors are now supplied with plugs and socket connections.

LOTS OF INTERESTING EXTRAS TO ADD!

SUPER TOOL SET



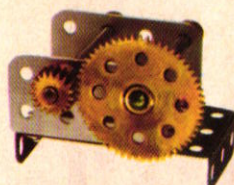
Building Meccano is easier and much more fun with the new Super Tool Set. The automatic nut holder holds up to 20 nuts at a time and speeds up construction, and the long screwdriver and flexible drive spanner reach into the most awkward corners.



GEARS SET



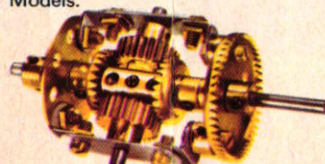
Build up your range of models with extra gears—extra versatility. The Meccano Gears Set contains gear wheels, sprockets and chain plus an 'engineering' manual with instructions for making dozens of drives and gear trains including twin-drives, intermittent drives, spur gearing etc.



MECHANISMS SET



Meccano has often been called real life engineering in miniature, and the Mechanisms Set proves this is true. It contains all the parts you need plus an engineering manual with full instructions for making clutches, differentials, disc brakes, free wheels and all sorts of reversing Mechanisms, adding a new dimension to your Meccano Models.



CONVERSION SETS TO MAKE YOUR EXISTING SET INTO THE NEXT LARGER SET
FOR EXAMPLE

5+5X=SET 6



When you want more scope for building bigger and better models—convert your existing Meccano Set into the next larger size by adding a conversion set.
For example: Set No. 5 + Conversion Set 5X = Set No. 6.

NEW 4EL ELECTRICAL SET-TEACHES-ABSORBS

This set is a fascinating introduction to the world of electricity. There are instructions and everything you need to build 81 models including a variety of special electrical equipment such as a simple electric bell, compass, transformer, electric field gun and several kinds of electric motor.

SAFE — IT'S BATTERY OPERATED
(Battery not included)



This set contains all the parts in the standard No. 4 set plus a complete range of electrical components. With it you can immediately make lots of exciting electrical models that really work. When enthusiastic Meccano modellers have made all the models illustrated in the instruction book, you can invent and discover many more to make for themselves.

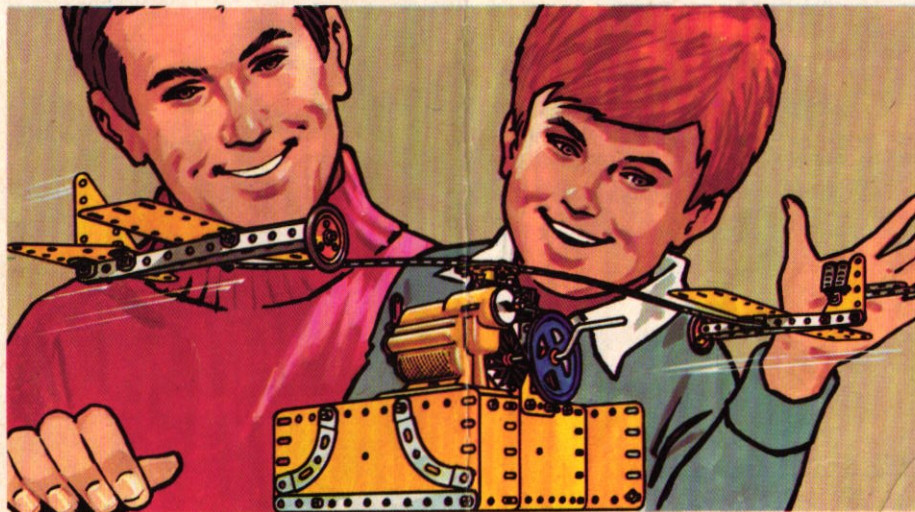
NEW 3M AND 4M MOTORISED SETS FOR ACTION!

SET 3M WITH BATTERY DRIVEN MOTOR

With fixed ratio gear $4\frac{1}{2}$ volt DC motor which has stop, forward and reverse lever. Instructions for building 32 working models, many of them motorised and you can invent lots more.
(Battery not included)

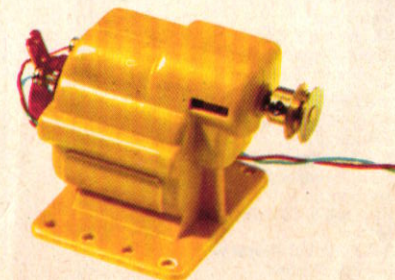
SET 4M WITH POWERFUL BATTERY DRIVEN MOTOR

Rotary power, lifting power, driving power—you've got them all in this Meccano Set. Instructions for building 47 models many using the powerful electric motor with reverse control
(Battery not included)



$4\frac{1}{2}$ VOLT D.C. MOTOR UNIT
WITH FORWARD, STOP AND REVERSE LEVER

BATTERY OPERATED



MOTORS TO POWER YOUR MECCANO MODELS!